

CytoSMART Exact FL

Automated dual fluorescence cell counter

The CytoSMART Exact FL can perform bright-field cell counting, while simultaneously assessing cell viability and GFP transfection efficiency using two fluorescent channels. Quantification of primary cells and heterogeneous cell populations distinguish cells from debris, analysis of organoids of varying shape and size, - the CytoSMART Exact FL can do it all.

Fluorescence-based cell viability analysis

Fluorescence-based assessment of cell viability has numerous advantages over traditional methods, which utilise Trypan Blue staining and bright-field microscopy. Depending on the type of fluorescent probe, the Exact FL can not only distinguish viable cells from dead cells, but also provide accurate total cell count information. Find out more about the advantages of fluorescent cell counting [here](#).

FEATURES:

- **Multicount** -- increase counting accuracy by taking multiple images of one sample (Figure 1)
- **Robust declustering algorithm** – identify individual cells in clusters
- **Innovative organoid counting software** – count organoids of varying shape and size
- **Secure cloud data storage** – safely store and access your experimental data
- **Automates software updates** – stay up-to-date with the latest software features
- **Compatible with a range of cell counting slides** – use your own counting chamber

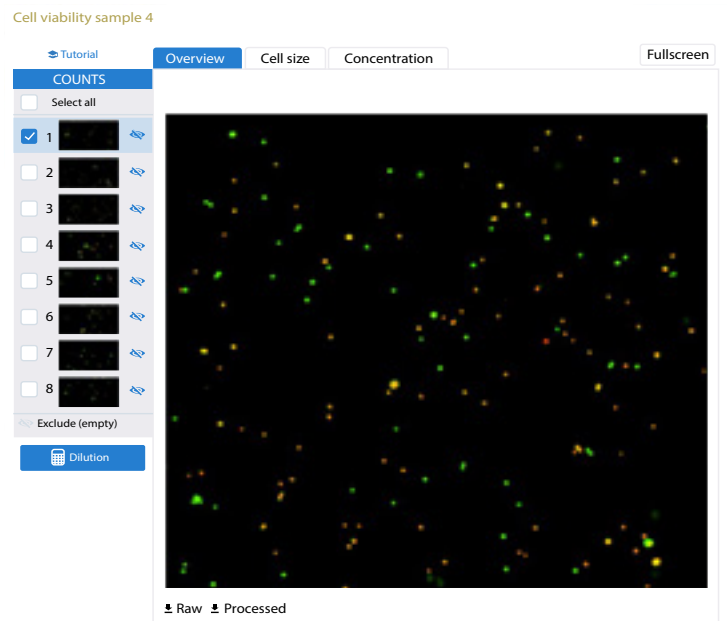


Figure 1. The multicount feature allows users to take images at different positions of the same sample, providing an average and standard deviation to increase accuracy and precision.

OTHER APPLICATIONS

- Transfection
- Heterogeneous cell populations
- Primary cells
- Excluding debris
- PBMCs
- Apoptosis
- Cell cycle



<https://cytosmart.com/products/cytosmart-exact-fl>

*Research use only. Not intended for diagnostic purposes.